

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	21041	((pressure strain) near3 (sensor detector transducer)) and (((pair two couple) near3 (wire conductor lead)) ((opposite opposed opposing) near3 ( surface layer face)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/07 14:09
L3	3876	((pressure strain) near3 (sensor detector transducer)) and (((pair two couple) near3 (wire conductor lead)) ((opposite opposed opposing) near3 ( surface layer face))) and (pvdf pzt polymer ((polyvinylchloride polyvinylchlorine) near3 fluoride))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/07 14:11
L4	2080	((pressure strain) near3 (sensor detector transducer)) and (((pair two couple) near3 (wire conductor lead)) ((opposite opposed opposing) near3 ( surface layer face))) and (pvdf pzt polymer ((polyvinylchloride polyvinylchlorine) near3 fluoride)) and (strap strop leash belt ribbon sash clamp strapping stropping band banding)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/07 14:13
L5	82	((pressure strain) near3 (sensor detector transducer)) and (((pair two couple) near3 (wire conductor lead)) ((opposite opposed opposing) near3 ( surface layer face))) and (pvdf pzt polymer ((polyvinylchloride polyvinylchlorine) near3 fluoride)) and (strap strop leash belt ribbon sash clamp strapping stropping band banding) and (silver near3 ink)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/07 14:14
L6	52	((pressure strain) near3 (sensor detector transducer)) and (((pair two couple) near3 (wire conductor lead)) ((opposite opposed opposing) near3 ( surface layer face))) and (pvdf pzt polymer ((polyvinylchloride polyvinylchlorine) near3 fluoride)) and (strap strop leash belt ribbon sash clamp strapping stropping band banding) and (silver near3 ink) and (pipe piping tube tubing hose plumbing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/07 15:43
L10	375	fernald.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/11/07 15:41
L11	41755	davis.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/11/07 15:41

L12	497	kersey.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/11/07 15:42
L13	623	loose.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/11/07 15:43
L14	12522	bailey.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/11/07 15:43
L15	5	(I10 I11 I12 I13 I14) and ((pressure strain) near3 (sensor detector transducer)) and (((pair two couple) near3 (wire conductor lead)) ((opposite opposed opposing) near3 (surface layer face))) and (pvdf pzt polymer ((polyvinylchloride polyvinylchlorine) near3 fluoride)) and (strap strop leash belt ribbon sash clamp strapping stropping band banding) and (silver near3 ink) and (pipe piping tube tubing hose plumbing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/11/07 15:44
L16	214	73/19.01.ccls.	US-PGPUB; USPAT	OR	OFF	2005/11/07 15:45
L17	116	73/19.05.ccls.	US-PGPUB; USPAT	OR	OFF	2005/11/07 15:45
L18	379	73/861.ccls.	US-PGPUB; USPAT	OR	OFF	2005/11/07 15:45
L19	202	73/861.18.ccls.	US-PGPUB; USPAT	OR	OFF	2005/11/07 15:45
L20	65	73/861.23.ccls.	US-PGPUB; USPAT	OR	OFF	2005/11/07 15:45
L21	297	73/861.27.ccls.	US-PGPUB; USPAT	OR	OFF	2005/11/07 15:45
L22	185	702/25.ccls.	US-PGPUB; USPAT	OR	OFF	2005/11/07 15:45
L23	283	702/33.ccls.	US-PGPUB; USPAT	OR	OFF	2005/11/07 15:45
L24	329	702/50.ccls.	US-PGPUB; USPAT	OR	OFF	2005/11/07 15:45
L25	91	702/54.ccls.	US-PGPUB; USPAT	OR	OFF	2005/11/07 15:45
L26	341	702/127.ccls.	US-PGPUB; USPAT	OR	OFF	2005/11/07 15:45
L27	218	702/138.ccls.	US-PGPUB; USPAT	OR	OFF	2005/11/07 15:45

L28	126	702/140.ccls.	US-PGPUB; USPAT	OR	OFF	2005/11/07 15:45
L29	231	702/142.ccls.	US-PGPUB; USPAT	OR	OFF	2005/11/07 15:45
L30	0	(L16 L17 L18 L19 L20 L21 L22 L23 L24 L25 L26 L27 L28 L29) and (((pressure strain) near3 (sensor detector transducer)) and (((pair two couple) near3 (wire conductor lead)) ((opposite opposed opposing) near3 ( surface layer face))) and (pvdf pzt polymer ((polyvinylchloride polyvinylchlorine) near3 fluoride)) and (strap strop leash belt ribbon sash clamp strapping stropping band banding) and (silver near3 ink) and (pipe piping tube tubing hose plumbing))	US-PGPUB; USPAT	OR	ON	2005/11/07 15:47
L31	1995	(L16 L17 L18 L19 L20 L21 L22 L23 L24 L25 L26 L27 L28 L29) and (((pressure strain) near3 (sensor detector transducer)) (((pair two couple) near3 (wire conductor lead)) ((opposite opposed opposing) near3 ( surface layer face))) (pvdf pzt polymer ((polyvinylchloride polyvinylchlorine) near3 fluoride)) (strap strop leash belt ribbon sash clamp strapping stropping band banding) (silver near3 ink) (pipe piping tube tubing hose plumbing))	US-PGPUB; USPAT	OR	ON	2005/11/07 15:46
L32	0	(L16 L17 L18 L19 L20 L21 L22 L23 L24 L25 L26 L27 L28 L29) and (((pressure strain) near3 (sensor detector transducer)) and (((pair two couple) near3 (wire conductor lead)) ((opposite opposed opposing) near3 ( surface layer face))) and (pvdf pzt polymer ((polyvinylchloride polyvinylchlorine) near3 fluoride)) and (silver near3 ink) and (pipe piping tube tubing hose plumbing))	US-PGPUB; USPAT	OR	ON	2005/11/07 15:48
L33	10	(L16 L17 L18 L19 L20 L21 L22 L23 L24 L25 L26 L27 L28 L29) and (((pressure strain) near3 (sensor detector transducer)) and (((pair two couple) near3 (wire conductor lead)) ((opposite opposed opposing) near3 ( surface layer face))) and (pvdf pzt polymer ((polyvinylchloride polyvinylchlorine) near3 fluoride))	US-PGPUB; USPAT	OR	ON	2005/11/07 15:48



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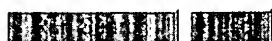
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```
(piezoelectric <phrase> film) <and>
(strap <or> band <or> ribbon <or> belt)
<and> (pvdf <or> pzt <or> (polymer
<phrase> film))
```



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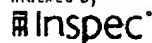
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- ☐
1. Theory of curved, clamped, piezoelectric film, air-borne transducers
- 
- Toda, M.; Tosima, S.;
- 
- Ultrasonics, Ferroelectrics and Frequency Control, IEEE Transactions on
- 
- Volume 47, Issue 6, Nov. 2000 Page(s):1421 - 1431
- 
- Digital Object Identifier 10.1109/58.883531
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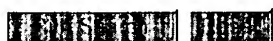
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(piezoelectric <phrase> film) <and>  
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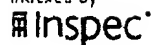
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- ☐ 1. **Microwave properties of La-doped lead titanate piezoelectric films for bulk resonators**  
 Maeda, C.; Yamada, A.; Uchikawa, F.; Misu, K.; Wadaka, S.; Shinada, J.;  
 Ultrasonics Symposium, 1998. Proceedings., 1998 IEEE  
 Volume 1, 5-8 Oct. 1998 Page(s):629 - 632 vol.1  
 Digital Object Identifier 10.1109/ULTSYM.1998.762227  
[AbstractPlus](#) | Full Text: [PDF](#)(272 KB) IEEE CNF
- ☐ 2. **Theory of curved, clamped, piezoelectric film, air-borne transducers**  
 Toda, M.; Tosima, S.;  
 Ultrasonics, Ferroelectrics and Frequency Control, IEEE Transactions on  
 Volume 47, Issue 6, Nov. 2000 Page(s):1421 - 1431  
 Digital Object Identifier 10.1109/58.883531  
[AbstractPlus](#) | Full Text: [PDF](#)(660 KB) IEEE JNL
- ☐ 3. **A new focusing ultrasonic transducer and two foci acoustic lens for acoustic**  
 Maslov, K.I.; Dorozhkin, L.M.; Doroshenko, V.S.; Maev, R.G.;  
 Ultrasonics, Ferroelectrics and Frequency Control, IEEE Transactions on  
 Volume 44, Issue 2, March 1997 Page(s):380 - 385  
 Digital Object Identifier 10.1109/58.585122  
[AbstractPlus](#) | Full Text: [PDF](#)(732 KB) IEEE JNL
- ☐ 4. **Solidly mounted resonators and filters**  
 Lakin, K.M.; McCarron, K.T.; Rose, R.E.;  
 Ultrasonics Symposium, 1995. Proceedings., 1995 IEEE  
 Volume 2, 7-10 Nov. 1995 Page(s):905 - 908 vol.2  
 Digital Object Identifier 10.1109/ULTSYM.1995.495711  
[AbstractPlus](#) | Full Text: [PDF](#)(288 KB) IEEE CNF
- ☐ 5. **Development of miniature filters for wireless applications**  
 Lakin, K.M.; Kline, G.R.; McCarron, K.T.;  
 Microwave Symposium Digest, 1995., IEEE MTT-S International  
 16-20 May 1995 Page(s):883 - 886 vol.2  
 Digital Object Identifier 10.1109/MWSYM.1995.405906  
[AbstractPlus](#) | Full Text: [PDF](#)(426 KB) IEEE CNF
- ☐ 6. **Application of film bulk acoustic resonators**

Horwitz, S.; Milton, C.;  
Microwave Symposium Digest, 1992., IEEE MTT-S International  
1-5 June 1992 Page(s):165 - 168 vol.1  
Digital Object Identifier 10.1109/MWSYM.1992.187935  
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7. A sealed cavity TFR process for RF bandpass filters

Lutsky, J.J.; Naik, R.S.; Reif, R.; Sodini, C.G.;  
Electron Devices Meeting, 1996., International  
8-11 Dec. 1996 Page(s):95 - 98  
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```
(piezoelectric <phrase> film <phrase>
(material <or> structure)) <and> (strap
<or> band <or> ribbon <or> belt)
```



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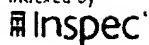
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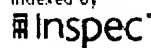
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<or> transducer <or> conductor))
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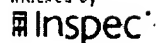
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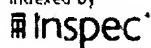
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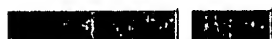
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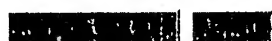
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(strap <or> band <or> ribbon) <and>
((pair <or> couple) <phrase> (sensing
<or> detection <or> detecting <or> sensor
<or> transducer <or> conductor))
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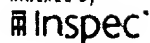
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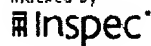
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Enter keywords, phrases, or a Boolean expression

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(strap <or> band <or> ribbon) <and>
(pipe <or> piping <or> plumbing)
<phrase> pressure <phrase> (sensing <or>
detection <or> detecting <or> sensor <or>
transducer))
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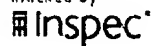
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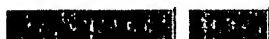
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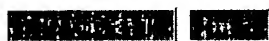
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IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

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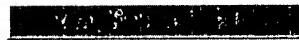
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- ☐ 51. An integral ultrasound transducer/pipe structure for flow imaging  
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